

FORM PTO 1390  
(REV 5-95)

US DEPARTMENT OF COMMERCE, PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NUMBER  
2001\_1739ATRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. §371U.S. APPLICATION NO.  
(if known, enter 35 CFR 1.55)  
NEW  
0979505International Application No.  
PCT/JP00/03264International Filing Date  
May 22, 2000Priority Date Claimed  
May 22, 1999

## Title of Invention

METHOD AND APPARATUS FOR GROWING HIGH QUALITY SINGLE CRYSTAL

## Applicant(s) For DO/EO/US

Takatomo SASAKI et al.

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:


1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. §371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. §371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. §371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. §371(b) and PCT Articles 22 and 39(1).
4. ☒ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.
5. ☒ A copy of the International Application as filed (35 U.S.C. §371(c)(2))
  - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau. ATTACHMENT A
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ☒ A translation of the International Application into English (35 U.S.C. §371(c)(2)). ATTACHMENT B
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3)).
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19.
9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. §371(c)(4)).
10. ☒ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. §371(c)(5)). ATTACHMENT C - Please enter these Amended Claims BEFORE entering the Preliminary Amendment of Attachment E

Items 11. to 14. below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98. ATTACHMENT D
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A FIRST preliminary amendment. ATTACHMENT E - Please enter this Preliminary Amendment AFTER entering the Article 34 Amended Claims of Attachment C
 

☐ A SECOND or SUBSEQUENT preliminary amendment.
14. ☒ Other items or information:
 

- unexecuted Declaration and Power of Attorney with Cover Letter - ATTACHMENT F

U.S. APPLICATION NO. <b>09/979585</b> NEW		INTERNATIONAL APPLICATION NO. PCT/JP00/03264		ATTORNEY'S DOCKET NO. 2001 1739A					
15. [X] The following fees are submitted  <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b> Neither international preliminary examination fee nor international search fee paid to USPTO and International Search Report not prepared by the EPO or JPO ..... \$1040.00 International Search Report has been prepared by the EPO or JPO ..... \$ 890.00 International preliminary examination fee not paid to USPTO but international search paid to USPTO ..... \$ 740.00 International preliminary examination fee paid to USPTO but claims did not satisfy provisions of PCT Article 33(1)-(4) ..... \$ 690.00 International preliminary examination fee paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... \$ 100.00  <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:50%;">CALCULATIONS</th> <th style="width:50%;">PTO USE ONLY</th> </tr> <tr> <td style="height: 100px;"></td> <td></td> </tr> </table>		CALCULATIONS	PTO USE ONLY		
CALCULATIONS	PTO USE ONLY								
Surcharge of \$130.00 for furnishing the oath or declaration later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				\$					
Claims	Number Filed	Number Extra	Rate						
Total Claims	18 - 20 =	0	X \$18.00	\$					
Independent Claims	2 - 3 =	0	X \$84.00	\$					
Multiple dependent claim(s) (if applicable)				+ \$280.00	\$				
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$890.00					
[ ] Small Entity Status is hereby asserted. Above fees are reduced by 1/2.				\$					
<b>SUBTOTAL =</b>				\$890.00					
Processing fee of \$130.00 for furnishing the English translation later than [ ] 20 [ ] 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				+	\$				
<b>TOTAL NATIONAL FEE =</b>				\$890.00					
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +				+	\$				
<b>TOTAL FEES ENCLOSED =</b>				\$890.00					
				Amount to be refunded	\$				
				Amount to be charged	\$				
a. [X] A check in the amount of \$890.00 to cover the above fees is enclosed. A duplicate copy of this form is enclosed. b. [ ] Please charge my Deposit Account No. 23-0975 in the amount of \$_____ to cover the above fees. A duplicate copy of this sheet is enclosed. c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-0975.									
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or          (b)) must be filed and granted to restore the application to pending status.</b>									
19. CORRESPONDENCE ADDRESS   <div style="text-align: center;">   <b>000513</b>          PATENT TRADEMARK OFFICE       </div>			By: <u>Charles R. Watts</u> Charles R. Watts , Registration No. 33,142  WENDEROTH, LIND & PONACK, L.L.P. 2033 "K" Street, N.W., Suite 800 Washington, D.C. 20006-1021 Phone: (202) 721-8200 Fax: (202) 721-8250  November 23, 2001						

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

[CHECK NO. 47632]  
[2001\_1739A]

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Takatomo SASAKI et al.

Serial No. NEW

Filed November 23, 2001

METHOD AND APPARATUS FOR GROWING  
HIGH QUALITY SINGLE CRYSTAL

[Corresponding to PCT/JP00/03264  
Filed May 22, 2000]

Attn: BOX PCT

Docket No. 2001\_1739A

THE COMMISSIONER IS AUTHORIZED  
TO CHARGE ANY DEFICIENCY IN THE  
FEES FOR THIS PAPER TO DEPOSIT  
ACCOUNT NO. 23-0975

**COVER LETTER FOR APPLICATION FILED  
WITHOUT EXECUTED DECLARATION**

Assistant Commissioner for Patents,  
Washington, DC 20231

Sir:

The above-identified application has been submitted without an executed oath or declaration.

It is respectfully requested that this application be assigned a serial number and awarded a filing date.

A duly executed oath or declaration pursuant to 37 CFR 1.63 will be submitted after notification by the U.S. Patent and Trademark Office.

A non-executed copy of the Declaration and Power of Attorney, containing the inventorship information, is attached. It is respectfully requested that all communications be directed to the firm indicated on the attached Declaration and Power of Attorney, namely:

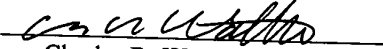
WENDEROTH, LIND & PONACK, L.L.P.  
2033 K Street, N.W., Suite 800  
Washington, D.C. 20006-1021

ATTACHMENT F

The required U.S. Patent and Trademark Office Filing Fee is submitted herewith.

Respectfully submitted,

Takatomo SASAKI et al.

By   
Charles R. Watts  
Registration No. 33,142  
Attorney for Applicants

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November 23, 2001